**CLASS 11 WORK ENERGY AND POWER**

A. Class 11 Work Energy Power Concepts- Mechanics : Physics Galaxy

<https://www.youtube.com/watch?v=WEriI0hK0lc&list=PLYVDsiuOZP5qOhevtD5Ikd3R6gy6wsMaW>

B. Work Energy Power– Advanced Illustrations : Physics Galaxy

1: Breaking off a Block From Ground: [http://youtu.be/Or-fU\_e6Z0U](https://www.youtube.com/watch?v=Or-fU_e6Z0U&t=0s)

2: Speed of a Falling Rope Supported on a Nail: [http://youtu.be/bW2x2mjoJV0](https://www.youtube.com/watch?v=bW2x2mjoJV0&t=0s)

3: A Washer Falling on a Rubber Cord: [http://youtu.be/tyZ8JIiN\_8U](https://www.youtube.com/watch?v=tyZ8JIiN_8U&t=0s)

4: Work Done in Dragging a Block Along a Spherical Surface: [http://youtu.be/btPNqpFsWZo](https://www.youtube.com/watch?v=btPNqpFsWZo&t=0s)

5: A Hanging Block Hitting the Floor: [http://youtu.be/MHXHK3cLXHs](https://www.youtube.com/watch?v=MHXHK3cLXHs&t=0s)

6: A Disc Sliding and Follows Projectile Motion: [http://youtu.be/cWEHvIJnpJg](https://www.youtube.com/watch?v=cWEHvIJnpJg&t=0s)

7: A Block Hitting a Wall: [http://youtu.be/yzURf-Dcepc](https://www.youtube.com/watch?v=yzURf-Dcepc&t=0s)

8: A Ring Sliding on a Smooth Rod: [http://youtu.be/tl3HHmoUiVk](https://www.youtube.com/watch?v=tl3HHmoUiVk&t=0s)

9: Position of Equilibrium in a Force Field: [http://youtu.be/48mc6p-M5y8](https://www.youtube.com/watch?v=48mc6p-M5y8&t=0s)

10: Minimum Required Force to Slide a Body in a Spring System: [http://youtu.be/YmjkC1-n7NM](https://www.youtube.com/watch?v=YmjkC1-n7NM&t=0s)

11: Maximum Speed of a Particle in a Force Field: [http://youtu.be/Tju6\_kDHRqE](https://www.youtube.com/watch?v=Tju6_kDHRqE&t=0s)

12: Breaking off a Cube from Ground: [http://youtu.be/T1owYdLwgfk](https://www.youtube.com/watch?v=T1owYdLwgfk&t=0s)

13: Power of a Force Pulling a Rope: [http://youtu.be/M2fyFwxkGHM](https://www.youtube.com/watch?v=M2fyFwxkGHM&t=0s)

14: Effect of Air Drag on Motion of a Body: [http://youtu.be/2IqFmAU3kd0](https://www.youtube.com/watch?v=2IqFmAU3kd0&t=0s)

15: Breaking off a Block on Rough Ground: [http://youtu.be/kD8yHcX7xFQ](https://www.youtube.com/watch?v=kD8yHcX7xFQ&t=0s)

16: Falling Chain Through a Hole: [http://youtu.be/Ty9K7e8CBCE](https://www.youtube.com/watch?v=Ty9K7e8CBCE&t=0s)

17: Sliding on a Conveyer Belt: [http://youtu.be/SCFjL4Bjx1A](https://www.youtube.com/watch?v=SCFjL4Bjx1A&t=0s)

18: Breaking off a Body from a Surface: [http://youtu.be/yZZwssKTPmw](https://www.youtube.com/watch?v=yZZwssKTPmw&t=0s)

19: Block Sliding on a Smooth Track and a Rough Surface: [http://youtu.be/v6OmOE1jw-E](https://www.youtube.com/watch?v=v6OmOE1jw-E&t=0s)

20: Work done by Friction on a Sliding Chain: [http://youtu.be/N\_S\_2c8Rs1M](https://www.youtube.com/watch?v=N_S_2c8Rs1M&t=0s)

21: Power Developed by Friction on a Body: [http://youtu.be/UjBoJfeAHcQ](https://www.youtube.com/watch?v=UjBoJfeAHcQ&t=0s)

22: Work done Against a Spring and Friction: [http://youtu.be/FxNLGcC9If8](https://www.youtube.com/watch?v=FxNLGcC9If8&t=0s)

23: Projection of a Particle in a Potential Field: [http://youtu.be/alvfb\_AWxq0](https://www.youtube.com/watch?v=alvfb_AWxq0&t=0s)

24: Maximum Elongation in a Spring Attached to Two Blocks: [https://youtu.be/\_0UlYy2ILoM](https://www.youtube.com/watch?v=_0UlYy2ILoM&t=0s)

25: Sliding Over an Inclined of Variable Roughness: [http://youtu.be/kb236rtaiHE](https://www.youtube.com/watch?v=kb236rtaiHE&t=0s)

26: Work by a Variable Force in Lifting a Body: [http://youtu.be/\_TeMZ3iyC00](https://www.youtube.com/watch?v=_TeMZ3iyC00&t=0s)

27: Verification of a Central Force Field: [http://youtu.be/Zrk4UEmP0hM](https://www.youtube.com/watch?v=Zrk4UEmP0hM&t=0s)